ABSTRACT

Methods for preparing substituted aromatic carboxylic acid esters are described. In particular, the invention relates a method for preparing a nitro-substituted aromatic carboxylic acid ester:

$$X-Ar-NO_2 + ROH \xrightarrow{CO} ROC(O)-Ar-NO_2$$

Additionally the invention relates to a method for preparing a thioether-substituted aromatic carboxylic acid ester:

$$ROC(O)$$
-Ar- NO_2 + $R"S^ \longrightarrow$ $ROC(O)$ -Ar- $SR"$

Such aryl esters are useful in the preparation of various agrochemicals and agrochemical intermediates.